Grandeur By NOSTALGIC WAREHOUSE

For Assistance Call: 1-800-522-7336

8 am - 5 pm, Monday - Friday, MST

Door Hardware Installation Instructions

Single Cylinder Deadbolt

Carefully unpackage all components and place them within easy reach. Find **Figure #1** on Page 5 of these instructions for a listing and drawing of each component. Detach **Figure #1** and place beside the components for easy reference. Check your door to see if it has been prepped (pre-drilled) for installing a deadbolt. If your door has been prepped for installation, start at Step 4. If your door has not been prepped for installation, you will need a #2 Phillips screwdriver, a drill, a 2-1/8″ hole saw, a drill, 7/64″ drill bit, 1″ drill bit, chisel, pencil, tape and an awl (or nail).

Step 1

Mark the Door

A) Find the **Door Preparation Template** that is included with the instructions**.** Fold the template along the "edge-of-door" line. **Important**: Before positioning the template, make sure that you are aligning it on the non-hinged edge of the door. Carefully position the template so that the narrow portion of the template wraps around the edge of the door, and the large portion of the template remains on the face of the door, see **Figure #2**. Slide the template up or down on your door so that the centerline is located at a height that is attractive in appearance and at least 5-1/2″ above the center of the doorknob hole. Once you have chosen the height, tape the template to the door.

B) Determine the backset of the deadbolt latch (Part #1) by checking the marking on the latch itself. If the latch is not marked, measure the latch between points A and B to determine the backset, as shown in **Figure #2**. The backset will either be 2-3/8″ or 2-3/4″. Once you know your backset, find the point on the template where the centerline crosses the vertical line that corresponds with the correct backset. Using the awl (or nail) mark this point, making sure that it is marked well enough to see on the door once the template is removed.

C) Follow the centerline around the edge of the door and using a pencil, extend the centerline onto the edge of the door. The mark should be horizontal to the floor. Once this mark is made, you may remove the template from the door.

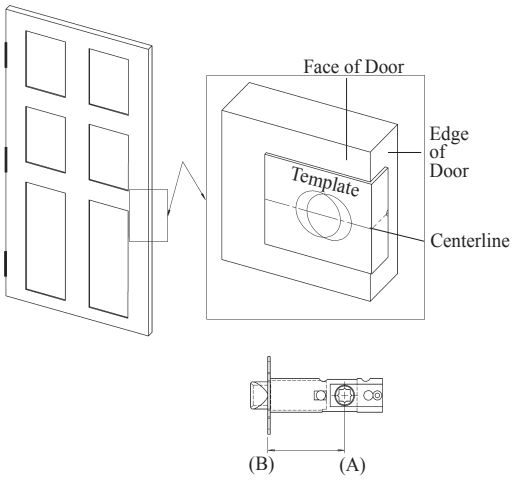


Figure #2

D) Measure the thickness of the door. Doors vary in thickness depending on the manufacturer. Determine the distance from the center to the edge of the door (half the thickness of the door). Using the awl (or nail), mark a point on the edge of the door where the centerline pencil mark (from Step 1C) and the center of the edge of the door meet (half the thickness), see **Figure #3**.

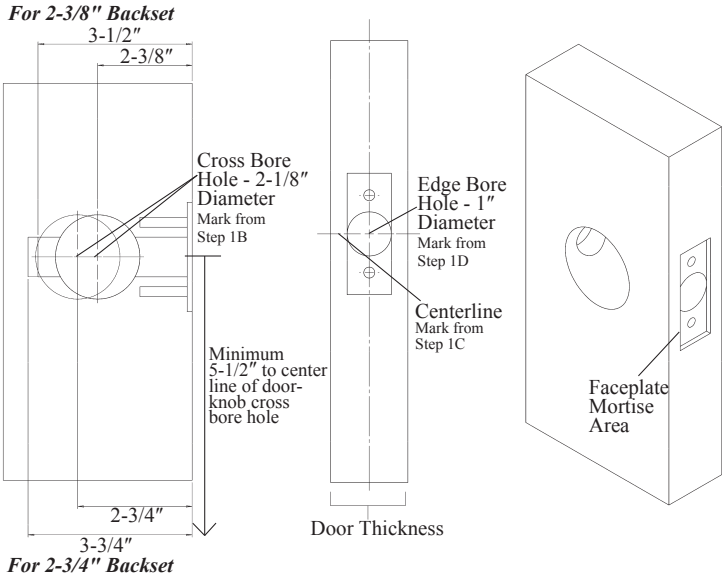


Figure #3

Step 2

Drill the Door

A) Using the 2-1/8″ hole saw, drill the cross bore hole centered on the mark made on the face of the door from Step 1B. See **Figure #3**. **Important:** To avoid splintering or marring the door, drill from one side of the door until the pilot bit comes through the door. Then finish drilling from the other side of the door, using the hole made by the pilot bit as your guide.

B) Using the 1″ bit, drill the edge bore hole centered on the mark made on the edge of the door where the centerline and center thickness met from Step 1D, see **Figure #3**. **Important:** Make sure that you drill a full 3-1/2″ deep, to accommodate the overall length of the 2-3/8″ latch. If you are using a 2-3/4″ backset latch, then the overall depth must be at least 3-3/4″.

Step 3

Mortise for the Faceplate

A) Using **Figure #1** for reference, find the faceplate (Part #2). On the edge of the door, center the faceplate over the newly drilled edge bore hole, so that the D-shaped hole in the faceplate is centered over the 1″ edge bore hole. Align it so that the edges are parallel to the edges of the door and roughly centered side-to-side. Mark around the faceplate with a pencil and remove from door.

B) Using the chisel, score the outline of the faceplate. Next, chisel away the material within the outline to a depth of 1/8″. When you are done, you should be able to insert the latch (Part #1), place the faceplate over the latch tongue (Part #1a), and have the faceplate be flush with the edge of the door.

C) Again, using the faceplate as a template and the awl as a marking tool, mark for the two screw holes that will hold the faceplate on the door. Remove the faceplate from the door to avoid marring the finish. Then, drill the two screw holes using a 7/64″ drill bit. Make sure the holes are drilled at least 1″ deep. Having too small or too shallow a hole can cause the screws to shear off.

Installing Your Lock

Step 4

Install the Latch

A) Insert a screwdriver into the latch housing and extend the bolt. Insert the latch into the edge bore hole, making sure that the arrow on the sides of the latch housing are pointing up, see **Figure #4**.

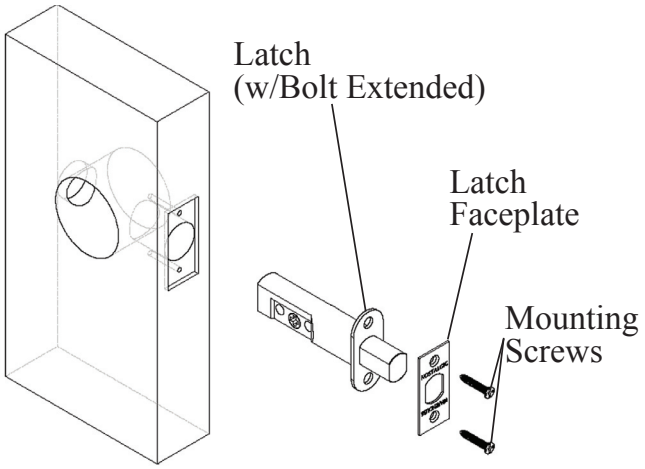


Figure #4

B) Add the faceplate over the latch and make sure that it can sit flush in the mortised out area. Note: Some doors come prepared with rounded corners in the mortised out area. If your door is prepared like this, simply use a chisel to square off the corners so that the faceplate lies flush with the edge of the door.

C) Make sure that the screw holes are drilled with a 7/64″ drill bit are at least 1″ deep. Having too small a hole can cause the screws to shear off.

D) Install the screws to hold the latch and faceplate in place.

Step 5

Install the “Outside” Half of the Deadbolt

A) Using **Figure #1** for reference, gather together the cylinder assembly (Part #4), spin ring (Part #5), the outside escutcheon (Part #6), the deadbolt adaptor plate (Part #7) and two 1-1/8″ machine screws (Part #8).

B) Place the spin ring over the cylinder driver bar (Part #4b) end of the cylinder, making sure that the **narrower edge of the spin ring is closest to the key hole end of the cylinder**. Insert the cylinder through the spin ring and escutcheon to make the outside assembly complete, see **Figure #5**.

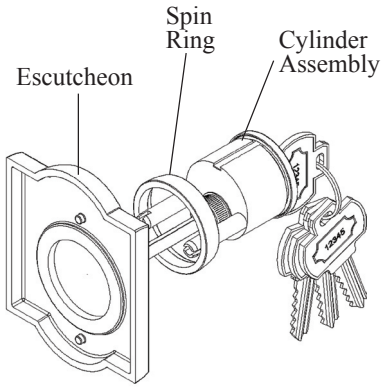


Figure #5

C) From the outside of the door, insert the cylinder driver bar (Part #4b) through the “X” in the latch housing, **making sure that the driver bar is oriented vertically with the latch bolt extending from the edge of the door**. Make sure that the cylinder posts (Part #4c) go through the post holes in the latch. If done correctly, the outside assembly should hold itself in place temporarily.

D) Make sure that the cross bore hole will be completely covered by the outside escutcheon and that the Grandeur logo is oriented correctly.

E) On the inside of the door, place the adaptor plate so that the beveled screw holes face away from the door and line up with the cylinder posts. Screw on the two 1-1/8″ machine screws to hold the outside assembly in place, see **Figure #6**. Do not tighten yet.

F) Align the outside escutcheon and cylinder with the door edge and snug the two 1-1/8″ machine screws down. Do not overtighten.

G) Using the key, unlock and re-lock the latch to make sure that the action is smooth. If the screws have been over tightened, the latch may bind. Once the action is acceptable, move on to Step 6.

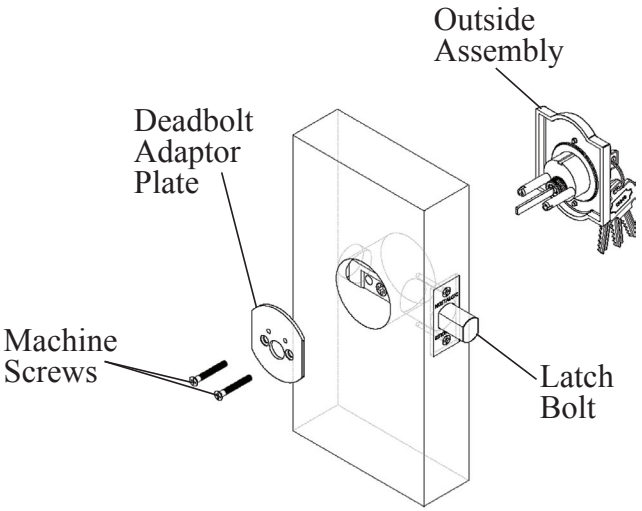


Figure #6

Step 6

Adding the Inside Thumbturn Assembly

A) Using **Figure #1** for reference, gather together the thumbturn assembly (Part #9), and the two 5/8″ thumbturn machine screws (Part #10).

B) Install the thumbturn assembly such that the driver bar coming through the latch housing is inserted into the slot on the back of the thumbturn.

C) Align the holes on the thumbturn assembly with the two small holes on the adaptor plate.

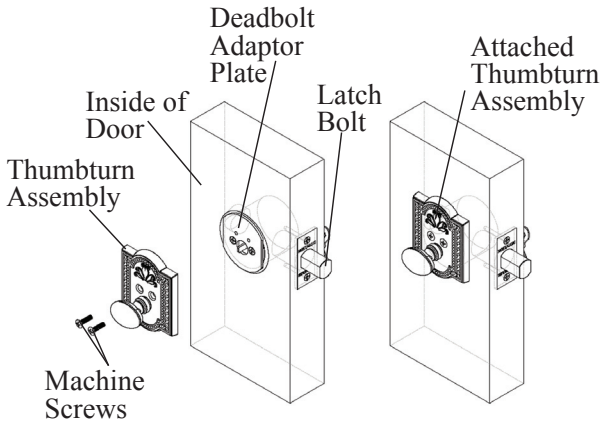


Figure #7

D) Install the two 5/8″ thumbturn machine screws, making sure that the plate is positioned correctly before tightening the screws. Do not over-tighten the screws.

E) Turn the thumbturn and the key separately to make sure that the action is smooth. If the screws have been over-tightened, the latch may bind. Once the action is acceptable, move on to Step 7.

Step 7

Installing the Door Reinforcer and Strike

Note: If door jamb is already drilled, go to Step 7E below.

A) With the deadbolt in the unlocked position, close the door. From the inside of the house, turn the thumbturn and identify where the bolt is contacting the door jamb. Lightly mark this with a pencil on the door jamb. Measuring in from the door stop trim, identify the center mark where the bolt hole needs to be drilled. Hint: If you cannot see the bolt clearly, or cannot mark the jamb with a pencil because the door is closed, you can cover the end of the bolt with a light amount of lipstick or similarly visible material. When you turn the thumbturn, the lipstick will mark the door jamb.

B) Using a 7/8″ drill bit, drill two holes centered 5/16″ above and below the center mark. These holes will overlap. Make sure each one is at least 1-1/8″ deep.

C) Clean out the hole (if needed) and insert the black dust box (Part #11). Close the door carefully, making sure not to crush the dust box. Make sure that the deadbolt and dust box line up. If not, carefully enlarge the hole as needed.

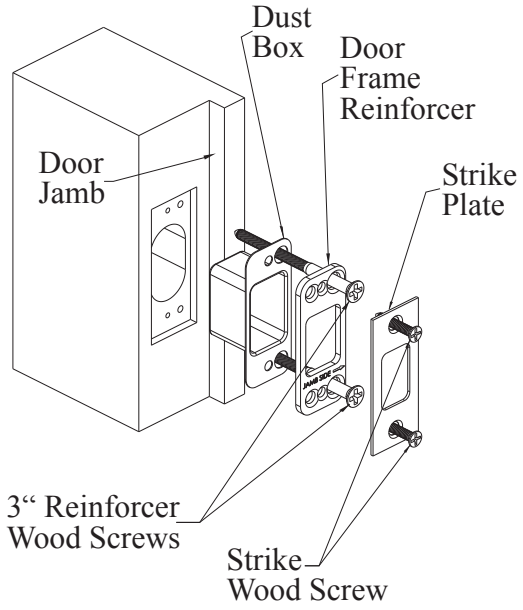


Figure #8

D) Using the strike plate (Part #14), mark the area to be mortised out for the dust box (Part #11), door frame reinforcer (Part #12), and strike plate. Use a chisel to mortise this area and make sure that once assembled, the strike plate sits flush to the door jamb.

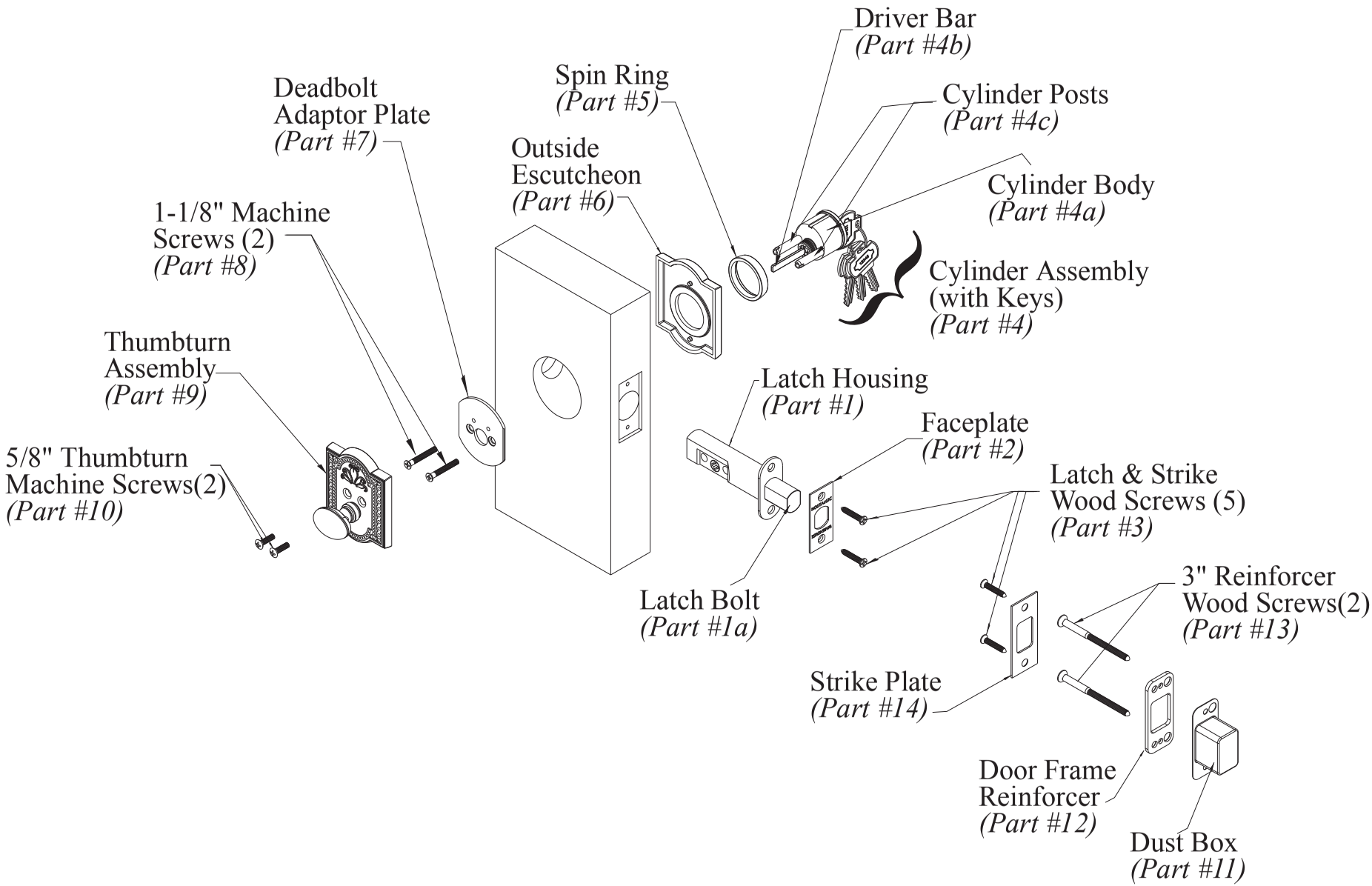
E) Place the door frame reinforcer over the dust box. Using the door frame reinforcer as a guide, find the holes closest to the outside of the house and drill two 7/64″ x 3″ deep holes for the reinforcer screws.

F) Install the reinforcer screws. Again, check to make sure the deadbolt and reinforcer line up and that the deabolt can be locked.

G) Drill two holes for the strike plate and install the strike plate using the latch and strike wood screws (Part #3).

Congratulations! You are now on your way to enriching your life with *Grandeur*!

Figure #1


Driver Bar
(Part #4b)
Spin Ring
(Part #5)
Cylinder Posts
(Part #4c)
Deadbolt
Adaptor Plate
(Part #7)
Outside
Escutcheon
(Part #6)
Cylinder Body
(Part #4a)
1-1/8" Machine
Screws (2)
(Part #8)
Cylinder Assembly
(with Keys)
(Part #4)
Thumbturn
Assembly
(Part #9)
Latch Housing
(Part #1)
Faceplate
(Part #2)
5/8" Thumbturn
Machine Screws(2)
(Part #10)
Latch & Strike
Wood Screws (5)
(Part #3)
3" Reinforcer
Wood Screws(2)
(Part #13)
Latch Bolt
(Part #1a)
Strike Plate
(Part #14)
Door Frame
Reinforcer
(Part #12)
Dust Box
(Part #11)